

B1
Cont

6 automatically selecting a single image of each identified
7 object using selection criteria;
8 saving the selected image of each identified object; and
9 discarding and not saving detected images other than said
10 selected image of each identified object.

✓ Cancel claim 2.

B2
Cont

1 15. (Amended) A method according to Claim 1, wherein said
2 saving step is carried out by determining a bounding box with just
3 large enough to completely contain the detected object and saving a
4 portion of a detected image which includes the detected object
5 corresponding to the bounding box.

1 16. (Amended) A method according to Claim 15, including the
2 step of saving one of the detected images as a reference image at a
3 first resolution, and wherein said step of saving the selected
4 image is carried out by saving the bounding box enclosing the
5 selected image at a second resolution which is higher than the
6 first resolution.

1 17. (Amended) A method according to Claim 1, including the
2 step of saving one of the detected images as a reference image
3 having a first resolution, wherein said step of saving the selected
4 image is carried out by determining a bounding box with just large
5 enough to completely contain the detected object and saving at a
6 second resolution a portion of a detected image which includes the
7 detected change region corresponding to the bounding box, the
8 second resolution being greater than the first resolution, and
9 including the step of displaying the reference image at the first
10 resolution, displaying the bounding box enclosing the selected
11 image within the reference image at the first resolution, and

B2
12 displaying the bounding box enclosing the selected image separately
13 from the reference image and at the second resolution.

Cancel claims 18 to 21.

B3
1 22. (Amended) An apparatus for monitoring an area,
2 comprising:

3 a detector which is operative to periodically detect an image
4 of the area; and

5 an image processing section which is responsive to the
6 detector, said image processing section being operative to:

7 identify and track a moving object in a succession of the
8 detected images;

9 automatically select a single image of each identified
10 object utilizing selection criteria;

11 save the selected image of each identified object; and

12 discard and not save detected images other than said
13 selected image of each identified object.

Cancel claims 23 and 24.

B4
1 25. (Amended) A method of monitoring an area, comprising the
2 steps of:

3 periodically detecting an image of the area;

4 identifying and tracking a moving object in a succession of
5 the detected images;

6 automatically selecting a single image of each identified
7 object using selection criteria;

8 saving the selected image of each identified object; and

9 discarding and not saving detected images other than said
10 selected image of each identified object; and

11 automatically saving information which identifies the path of
12 movement of the object, said information being retained after the
13 object is no longer present in newly detected images.

BH
Conal

1 26. (Amended) A method according to Claim 25, including the
2 steps of saving one of the detected images of the area as a
3 reference image, displaying the reference image, and displaying on
4 the reference image the path of movement of the object.

1 27. (Amended) A method according to Claim 25, including the
2 steps of saving an identification of an event associated with the
3 detected object, saving one of the detected images as a reference
4 image, displaying the reference image, displaying on the reference
5 image the path of movement of the object, and displaying on the
6 reference image the identification of the event.

Cancel claim 28.

1 29. (Amended) An apparatus for monitoring an area,
2 comprising:

B5
Conal

3 a detector which is operative to periodically detect an image
4 of the area; and

5 an image processing section which is responsive to the
6 detector and which is operative to:

7 identify and track a moving object in a succession of the
8 detected images;

9 automatically select a single image of each identified
10 object utilizing selection criteria;

11 save the selected image of each identified object; and

12 discard and not save detected images other than said
13 selected image of each identified object; and

14 BS
15
16 *cancel*
automatically save information which identifies the path
of movement of the object, and to retain the information after
the object ceases to be present in current detected images.

Cancel claims 30 to 39.

Please add claims 40 to 57 as follows:

B5
1
2
3
4
5
40. (New) An apparatus according to Claim 22, wherein:
said image processing section being further operative to:
use image selection criteria which are intended to lead
to the selection of an image in which the face of a detected
person is visible and large.

1
2
3
4
5
6
7
41. (New) An apparatus according to Claim 40, wherein:
said image processing section being further operative to:
save one of the detected images as a reference image;
identify a moving object by evaluating images detected
subsequent to the reference image in order to identify therein
each change region where the evaluated image differs from the
reference image;

8
9
10
determine a bounding box for a given change region in
each image of a set of images in which the given change region
appears; and

11
12
13
14
15
16
select the selected image for the given change region by
discarding images from the set in which a lowermost side of
the bounding box is higher than in other images of the set,
and by selecting from the remaining images of the set an image
in which a size of the bounding box is larger than in the
other remaining images of the set.

1
2
42. (New). An apparatus according to Claim 22, wherein:
said image processing section being further operative to:

3 automatically select an image using image selection
4 criteria which cause a current image to be selected over a
5 prior image if a lowermost point of a detected change region
6 is lower in the current image than in the prior image.

1 43. (New) An apparatus according to Claim 42, wherein:
2 said image processing section being further operative to:
3 automatically select an image out using image selection
4 criteria which cause a current image to be selected over a
5 prior image if a detected change region has increased in size
6 relative to a prior image.

1 44. (New) An apparatus according to Claim 22, wherein:
2 said image processing section being further operative to:
3 select an image in response to the occurrence of a
4 predefined event.

1 45. (New) An apparatus according to Claim 44, wherein:
2 said image processing section wherein:
3 said predefined event includes detection of a previously
4 undetected object.

1 46. (New) An apparatus according to Claim 44, wherein:
2 said image processing section wherein:
3 said predefined event includes detection of the absence
4 of a previously detected object.

1 47. (New) An apparatus according to Claim 44, wherein:
2 said image processing section wherein:
3 said predefined event includes detection of a situation
4 in which an object has remained within a predefined region of
5 the area for a specified time interval.

3/6
cont

1 48. (New) An apparatus according to Claim 44, wherein:
2 said image processing section wherein:
3 said predefined event includes a determination that a
4 previously moving object has become stationary.

1 49. (New) An apparatus according to Claim 44, wherein:
2 said image processing section wherein:
3 said predefined event includes a determination a
4 previously stationary object has started moving.

1 50. (New) An apparatus according to Claim 44, wherein:
2 said image processing section wherein:
3 said predefined event includes a determination of whether
4 a detected object is a person.

1 51. (New) An apparatus according to Claim 50, wherein:
2 said image processing section wherein:
3 said predefined event further includes, for a detected
4 object which is not a person, classification of the detected
5 object into one of a plurality of predetermined categories.

1 52. (New) An apparatus according to Claim 22, wherein:
2 said image processing section being further operative to:
3 save said selected image by determining a bounding box
4 with just large enough to completely contain the detected
5 object and saving a portion of a detected image which includes
6 the detected object corresponding to the bounding box.

1 53. (New) An apparatus according to Claim 52, wherein:
2 said image processing section being further operative to:

3 save one of the detected images as a reference image at a
4 first resolution; and

56
6 save the selected image by saving a bounding box
7 enclosing the selected image at a second resolution which is
8 higher than the first resolution.

1 54. (New) An apparatus according to Claim 22, further
2 comprising:

3 a display device; and

4 wherein said image processing section being connected to the
5 display device and being further operative to:

6 save one of the detected images as a reference image
7 having a first resolution;

8 save the selected image by saving a bounding box
9 enclosing the detected object and saving at a second
10 resolution which is higher than the first resolution;

11 display via said display device said reference image at
12 the first resolution and said bounding box within said
13 reference image at said first resolution, and

14 display via said display device said bounding box
15 separately from said reference image and at said second
16 resolution.

1 55. (New) An apparatus according to Claim 29, further
2 comprising:

3 a display device; and

4 wherein said image processing section being connected to said
5 display device and being further operative to:

6 save one of the detected images as a reference image; and

7 display via said display device said reference image and
8 said path of movement of the object within said reference
9 image.